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TCS No. 2700/65
IB No. 126/65
1 April 1965
Copy No. 1

DECLASS REVIEW by NIMA/DOD

MEMORANDUM FOR: Chief, Defensive Systems Division, OSI

ATTENTION : [redacted] DSD/NB 25X1A

THROUGH : Chief, Requirements Branch, Reconnaissance Group, CGS

FROM : Chief, Photographic Intelligence Division, CIA

SUBJECT : Probable Naval Research Facility, Wu-hsi, China

REFERENCE : (1) Requirement No. C-SI-4-81,958
(2) Project No. 30915-4

1. This memorandum is in response to the above referenced requirement calling for a detailed analysis of the probable naval research facility at Wu-hsi including annotated enlargements, line drawings and maps.

2. Wu-hsi Probable Naval Research Facility is located approximately five nautical miles SSE of the city of Wu-hsi at 31 31N - 120 14E on the northeast shore of Lake Tai-hu.

3. The first photo coverage of this installation was [redacted] 25X1D (CIA/PID/IB-P-1465/64) dated [redacted]. The mission provided fair quality, 25X1D oblique photography of the facility in the early stages of its construction. Evident at this time were portions of the inner walls of the towing basin. These walls appeared to be concrete and quite thick. Excavations for the remainder of the long towing basin were observed to be well underway. Nine apartment-like housing units appeared to be complete and in use.

25X1D [redacted] (CIA/PID/IB-P-1466/64) was the next mission to cover this installation. The long towing basin was in three different phases of construction; approximately 660 feet was covered by roofing, 600 feet of inner basin wall was exposed, and the remaining 295 foot segment was excavation. Three unidentified buildings and an excavation for a fourth have appeared since the previous coverage. 25X1D

The long towing basin on [redacted] photography of [redacted] (CIA/PID/IB-P-1467/64) appeared to be very near completion. Except for roofs of two of the possible monitoring stations this building was observed to be structurally complete. Building materials were stored throughout the complex.

25X1C

Declassified through automatic downgrading and declassification

S-16936

HANDLE VIA
TALENT-KEYHOLE
CONTROL SYSTEM ONLY

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25X1A

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The long towing basin on [redacted] 25X1D (CIA/PID/IB-P-1467/64) appeared to be very near completion. Except for roofs of two of the possible monitoring stations this building was observed to be structurally complete. Building materials were stored throughout the complex.

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SUBJECT: Probable Naval Research Facility, Wu-hsi, China

25X1D A large circular excavation, approximately 200 feet in diameter, was evident on [redacted] (CIA/PID/IB-P-1468/64). This excavation is possibly for a rotating arm facility. The long towing basin appeared complete. A power plant, a transformer yard, three housing units, and an unidentified building adjacent to the circular excavation accounted 25X1D for the additions since [redacted]

25X1D [redacted] (CIA/PID/IB-1469/64) revealed a circular object or post in the center of the possible rotating arm facility. This object appeared to be constructed of concrete and quite massive. This coverage also revealed the continued expansion of the housing area with still another unit under construction.

25X1D
25X1D The next photo coverage, [redacted] (CIA/PID/IB-P-309/65) [redacted], indicated a continued construction on the possible rotating arm facility. A dome-type roof had been erected over the excavation and except for a small portion at the top appeared to be complete. It could not be ascertained whether or not the "arm" was installed at the time.

25X1D
25X1D The most recent coverage, [redacted] (CIA/PID/IB-P-310/65) dated [redacted], revealed an apparently complete installation. The possible rotating arm facility was completely covered by a dome-type structure. No other construction activity was observed.

4. An industrial installation on the southwest edge of Wu-shi (CIA/PID/IB-P-1470/64) (31 34N - 120 16E) has been tentitivly identified as plant #721, a suspect sonar plant. This installation contains approximately eight fabrication-type buildings, nine barracks-type buildings, twelve warehouses, an administration and design/engineering building, a power plant and large open storage areas.

5. All measurements, with the exception of the long towing basin, have been made by the CIA/PID project analyst. They should not be construed as being mensuration data compiled by the NPIC Technical Intelligence Division. The long towing basin measurements were made by the NPIC Technical Intelligence Division.

25X1D [redacted]

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SUBJECT: Probable Naval Research Facility, Wu-hsi, China

25X1A

7. The photo analyst assigned to this project was [redacted] who may be contacted on extension 2547 should any question arise concerning this memorandum. This requirement is considered complete.

25X1A

[redacted]

ENCLOSURES:
9 Annotated Photos
(CIA/PID/IB-P-1465-1471/64 & P-309/65-
1 Annotated Map
(CIA/PID/IB-P-1472/64)
1 Line Drawing
(CIA/PID/IB-P-121/64)

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TCS NO. 2700/65

WU-HSI PROBABLE NAVAL RESEARCH FACILITY

WU-HSI , CHINA

(31-31N / 120-14E)

PREPARED BY

INDUSTRIAL BRANCH
PHOTOGRAPHIC INTELLIGENCE DIVISION, CIA

S-16936

25X5

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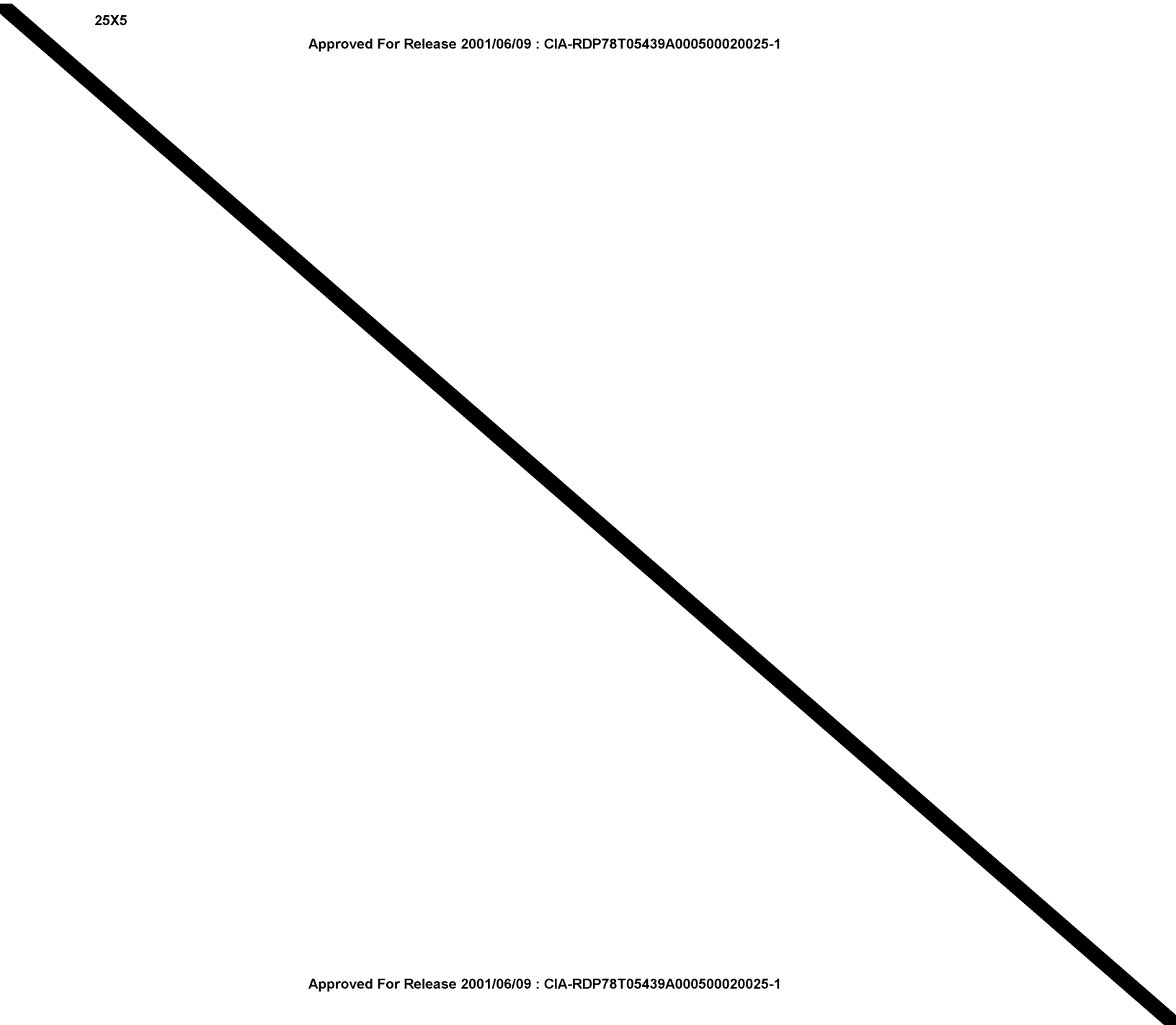

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KEY TO ANNOTATIONS

1 EXCAVATION FOR TOWING BASIN EVIDENT

2 INNER WALLS OF BASIN UNDER CONSTRUCTION

3 WATER TREATMENT FACILITY

4 HOUSING

5 CAUSEWAY UNDER CONSTRUCTION

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25X1D

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CIA/RID-IB-P-1465/64

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KEY TO ANNOTATIONS

1 APPROX 660 FEET OF ROOF OVER TOWING BASIN
2 APPROX 600 FEET OF INNER BASIN WALL EXPOSED
3 APPROX 295 FEET OF EXCAVATION APPARENT
4 EXCAVATIONS FOR LARGE UNIDENTIFIED BUILDING
5 THREE UNIDENTIFIED BUILDINGS
6 HOUSING

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CIA/PID-IB-P-1466/64

25X1D
S-16936

KEY TO ANNOTATIONS

1 TOWING BASIN NEARING COMPLETION

2 POSSIBLE MONITORING STATIONS (TWO STILL WITHOUT ROOFS)

3 PIPE/CABLE TRENCH

4 BUILDING MATERIALS STORAGE

5 UNIDENTIFIED BUILDING

6 WATER TREATMENT FACILITY

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CIA/RID IB-P-1467/64

25X1D
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KEY TO ANNOTATIONS

1 TOWING BASIN COMPLETE

2 POWER PLANT

3 TRANSFORMER YARD

4 LARGE CIRCULAR EXCAVATION (POSSIBLY FOR ROTATING ARM FACILITY)

5 ADDITIONAL HOUSING UNDER CONSTRUCTION

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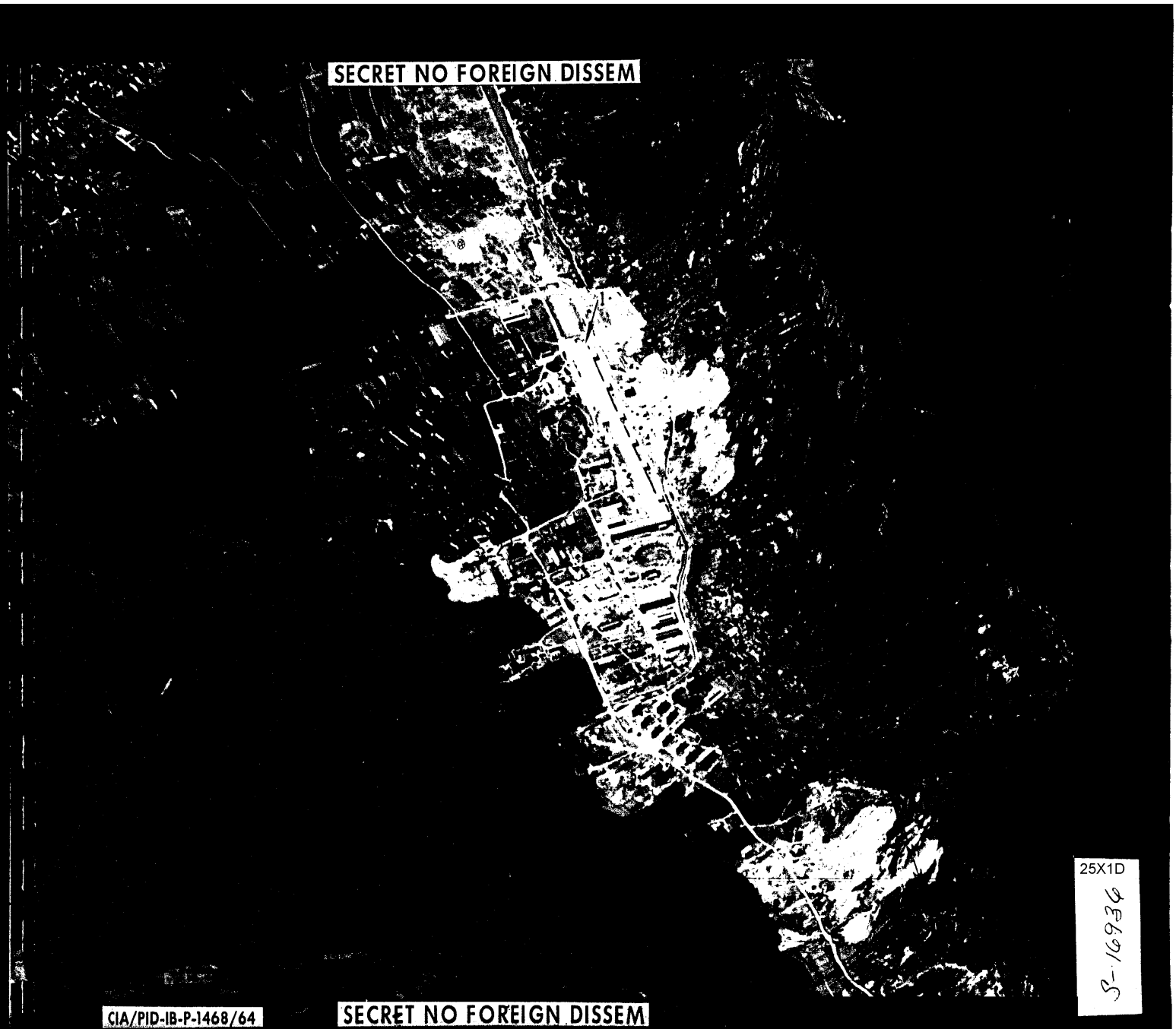
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KEY TO ANNOTATIONS

1 CIRCULAR OBJECT IN CENTER OF POSSIBLE ROTATING ARM FACILITY

2 ADDITIONAL HOUSING UNDER CONSTRUCTION

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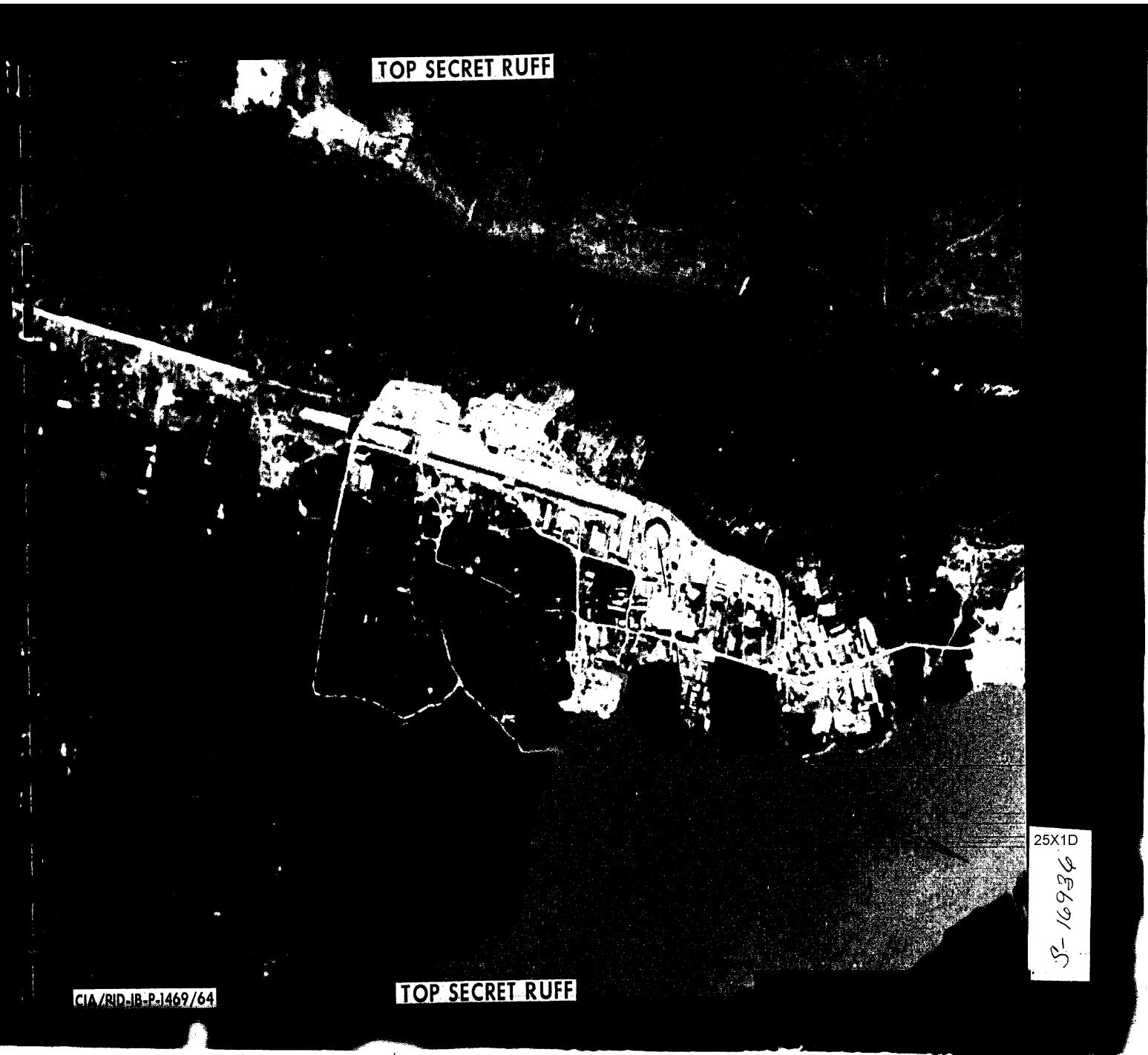


CIA/RID-IB-P-1469/64

25X1D
S-16936

KEY TO ANNOTATIONS

1 TOWING BASIN

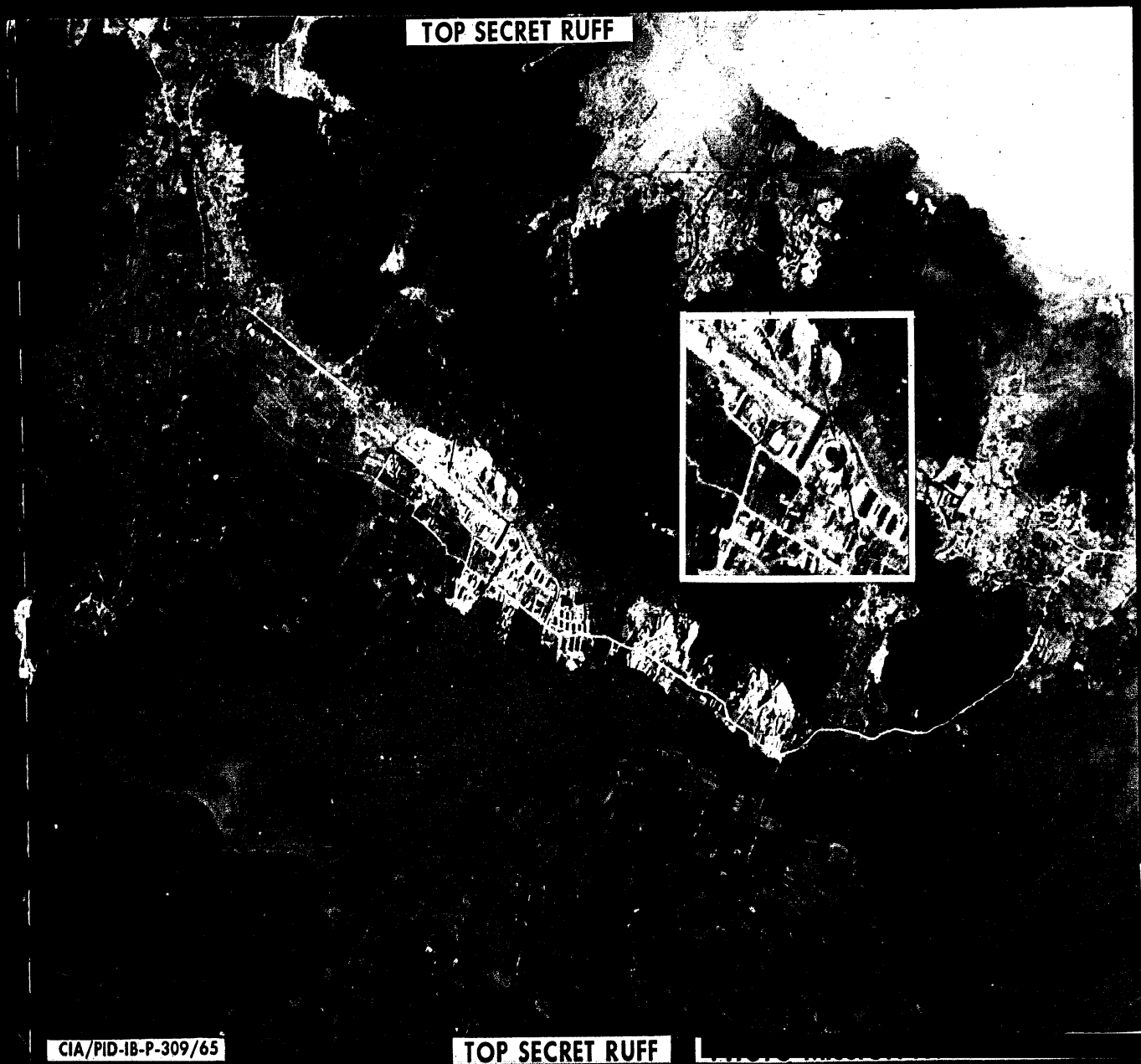
2 PONDS

3 PARTIALLY COVERED POSSIBLE ROTATING ARM FACILITY

4 40X INSET SHOWING :

- A TOWING BASIN
- B POSSIBLE ROTATING ARM FACILITY
- C POSSIBLE ENTRANCE TO FACILITY

S-16968



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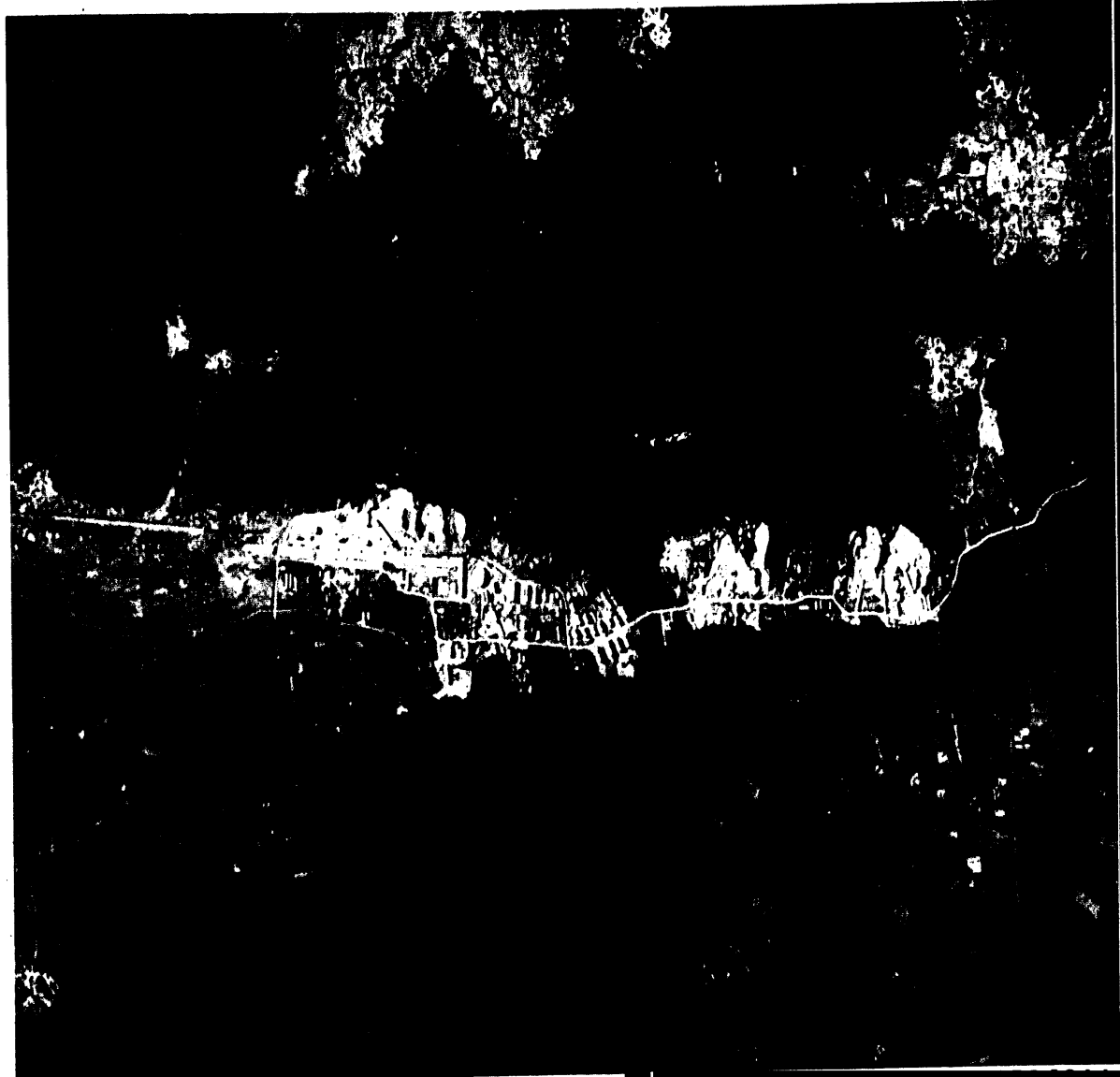
KEY TO ANNOTATIONS

1 TOWING BASIN

2 COMPLETED DOME OVER POSSIBLE ROTATING ARM FACILITY

S-16936



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KEY TO ANNOTATIONS

1 ADMINISTRATION AND ENGINEERING/DESIGN
2 FABRICATION TYPE BUILDINGS
3 OPEN STORAGE
4 BARRACKS TYPE BUILDINGS
5 POSSIBLE POWER PLANT

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25X1D
S-16936

KEY TO ANNOTATIONS

1 PROBABLE NAVAL RESEARCH FACILITY

2 SUSPECT SONAR PLANT

S-16936

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KEY TO ANNOTATIONS

Item No.	Description	Dimensions
1.	Ditch	
2.	Unidentified Building	60 x 40
3.	Probable Towing Basin	
	a. Long Basin	1555 x 60
	b. Possible Monitoring Stations	80 x 45
	c. Short Basin	345 x 60
	d. Unidentified Section	80 x 35
4.	Warehouse	145 x 40
5.	Transformer Yard	
6.	Power Plant	
7.	Possible Concrete Batching Plant	115 x 35
8.	Boat Landing	
9.	Open Storage	
10.	Excavation for Possible "Rotating Arm Facility"	
11.	Unidentified Building	Irregular
12.	Unidentified Building	175 x 90
13.	Unidentified Building	145 x 85
14.	Unidentified Building	150 x 40
15.	Unidentified Building	135 x 40
16.	Unidentified Building	Irregular
17.	Water Tower	
18.	Warehouse	
19.	Water Treatment Facility	
20.	Housing	

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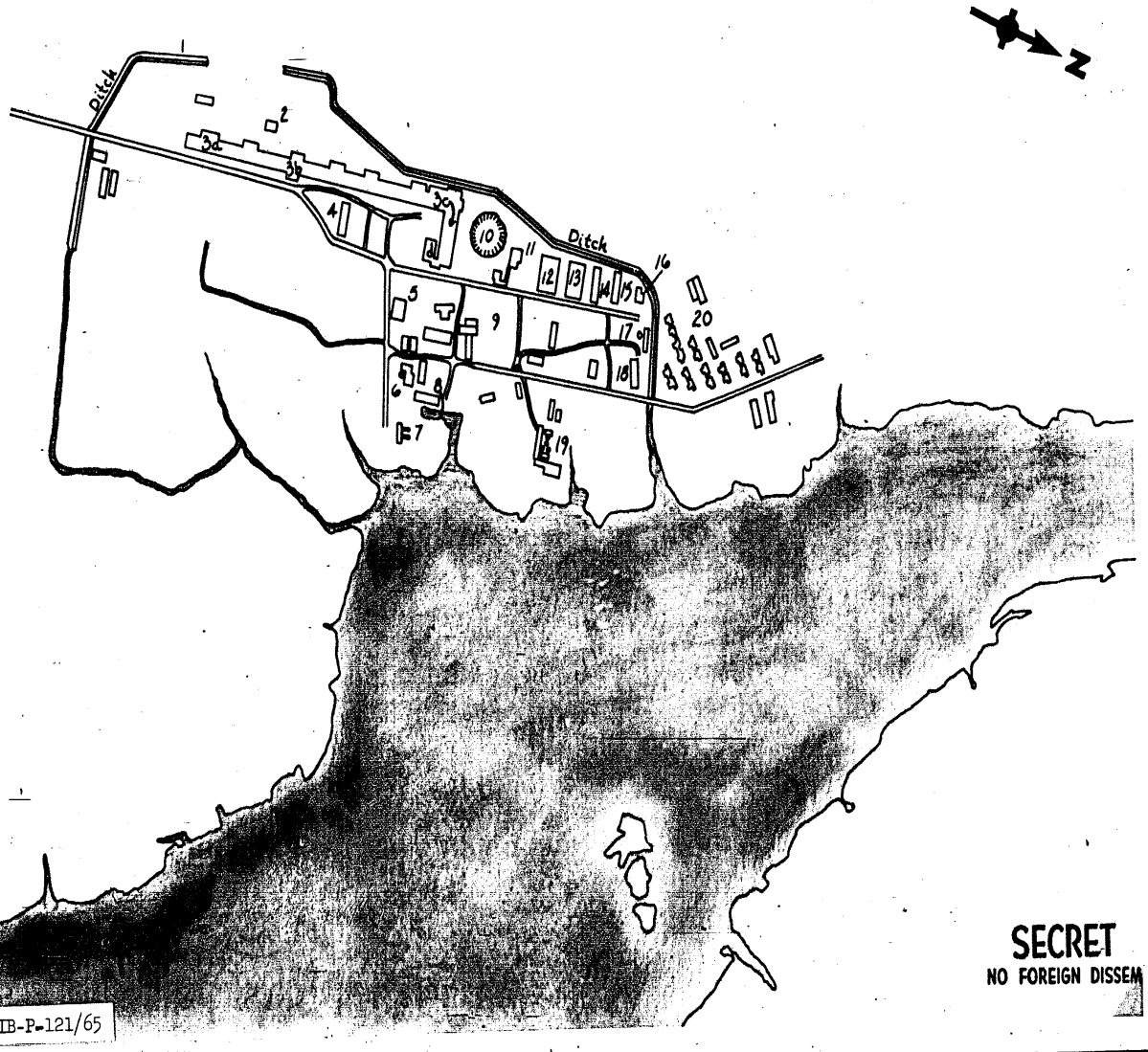
WU-HSI PROBABLE NAVAL RESEARCH FACILITY



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CIA/PID/IB-P-121/65

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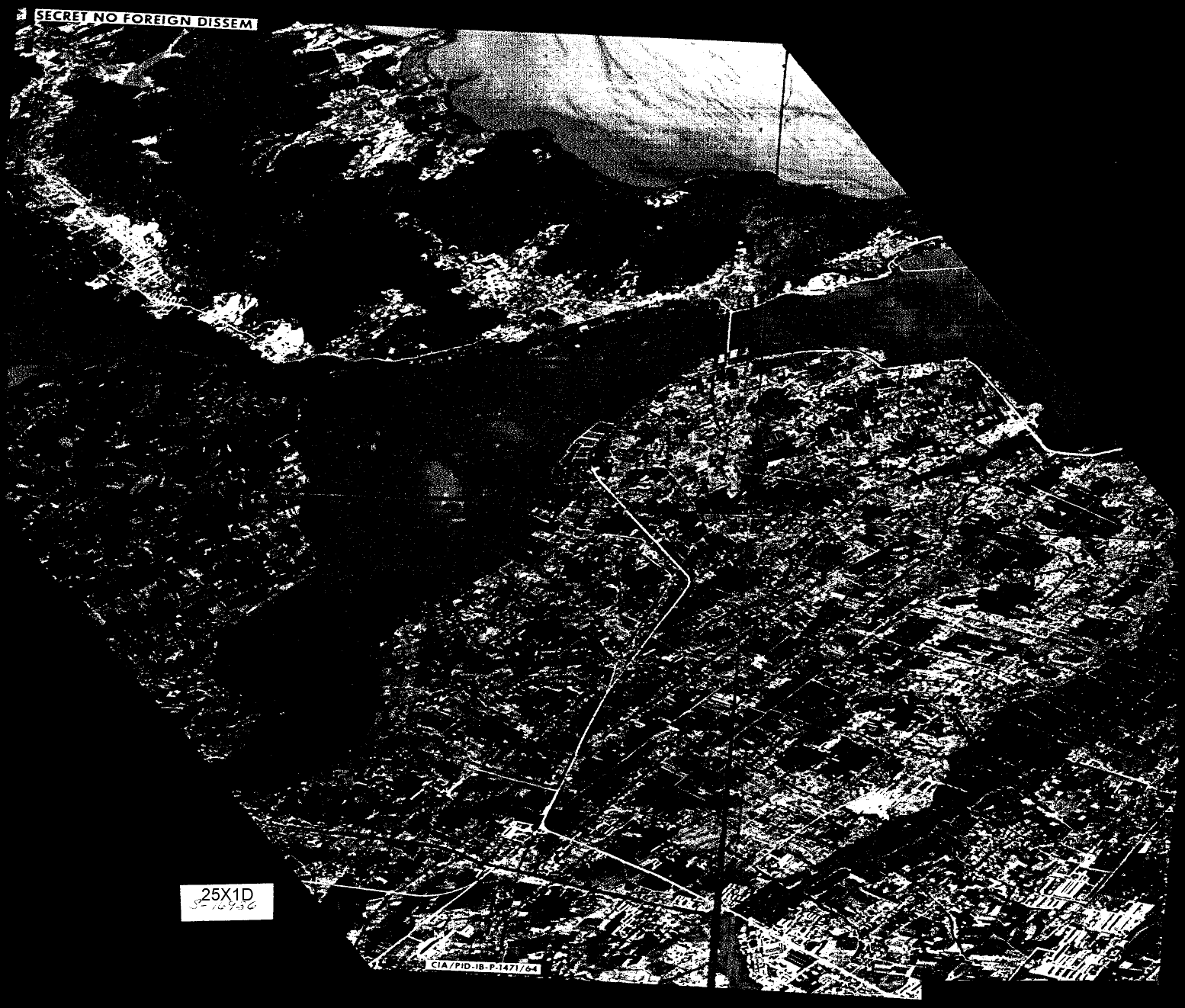
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